**Atoms and Atomic Theory REVIEW**

Briefly describe the contributions each person made to the development of the atom (include an illustration if there is one):

Democritus

Dalton

Thomson

Rutherford

Bohr

Schrodinger

Chadwick

Define the following:

Proton

Neutron

Electron

Quark

Nucleus

Strong force

Weak force

Atom

Isotope

Name the following energy shells and

write how many electrons each can hold:

Complete the chart:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of element | Atomic number | Atomic mass | Number of electrons | Number of protons | Number of neutrons |
| Potassium | 19 | 39 |  |  |  |
| Nickel |  | 59 | 28 |  |  |

Draw the electrons on their proper shells:

|  |  |
| --- | --- |
| Neon (10 electrons) | Fluorine (2 electrons) |